

BULK DEGAUSSER WITH FIXED ARRAYS OF MAGNET POLES

ABSTRACT OF THE DISCLOSURE

5 A bulk degaussing apparatus and method for erasing magnetic
media of various sizes. A plurality of fixed magnetic poles are predisposed
around a gap for projecting magnetic flux across the gap such that the
spacing of the poles is provided at roughly equal intervals or sets of
intervals across the gap to form sets of magnetic fields at the staggered
intervals. A media passage is provided such that across the width of the
10 passage at every point, media passing therethrough is linearly exposed to
the magnetic fields provided through the gap. An adapter constrains
location of the media passing through the gap by way of the media passage
such that the plurality of magnetic poles effectively degausses regions
formed between the poles. Placement of the magnetic poles is provided
15 with partial overlap of facing poles on opposite sides of the pathway of the
media passage. Two or more multi-pole degaussing regions provided with
differing orientation avoid regional weaknesses or singularities in the
magnetic field.